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NOTICE OF ALLOWANCE AND FEE(S) DUE

23712

7590

04/02/2004

PAUL J WHITE, SENIOR COUNSEL NATIONAL RENEWABLE ENERGY LABORATORY (NREL) 1617 COLE BOULEVARD GOLDEN, CO 80401-3393 EXAMINER

JACKSON JR, JEROME

PAPER NUMBER

ART UNIT 2815

DATE MAILED: 04/02/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/841,691	04/24/2001	Angelo Mascarenhas	NREL IR# 99-50	4372

TITLE OF INVENTION: ISOELECTRONIC CO-DOPING

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	07/02/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATEN PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHT THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPO PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM TH MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THE STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOV REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (O AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WIL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is n claiming SMALL ENTITY status, check the box below and enclo the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) w your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

			or <u>F</u>	_ `	(03) 746-4000		_
INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed wh appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" maintenance fee notifications.							
CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)			No Fe pa	Note: A certificate of mailing can only be used for domestic mailings of Fee(s) Transmittal. This certificate cannot be used for any other accompany papers. Each additional paper, such as an assignment or formal drawing, m have its own certificate of mailing or transmission.			
23712 75				ha	have its own certificate of mailing or transmission.		
PAUL J WHITE, SENIOR COUNSEL NATIONAL RENEWABLE ENERGY LABORATOR 1617 COLE BOULEVARD GOLDEN, CO 80401-3393			Y (NREL)	I I St ad tra	Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with tl States Postal Service with sufficient postage for first class mail in an addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO, on the date indicated below.		
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09/841,691	04/24/2001		Angelo Ma	ascarenhas		NREL IR# 99-50	4372
TITLE OF INVENTION: IS	OELECTRONIC CO-DOPI	NG	_				
APPLN. TYPE	SMALL ENTITY	ISSUE F	EE	PUBI	LICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	0		\$300	\$1630	07/02/2004
EXAM	INER	ART UN	пт Т	CLAS	SS-SUBCLASS	7	
JACKSON J	R, JEROME	2815					
1. Change of correspondence	address or indication of "Fo	ee Address" (37	2 For prin	nting on th	e patent front pa	ge list (1) the	
CFR 1.363).	duction of marvation of 1	0011441050 (57	names of	up to 3	registered patent	t attorneys or 1	
☐ Change of corresponde Address form PTO/SB/12	nce address (or Change of C	Correspondence			ernatively, (2) the name of a single a member a registered attorney or names of up to 2 registered patent ents. If no name is listed, no name		
	on (or "Fee Address" Indicat	tion form	agent) and	the name			
PTO/SB/47; Rev 03-02 o Number is required.	or more recent) attached. Use	of a Customer	will be pri		ir no name is ii:	sted, no name 3	
3. ASSIGNEE NAME AND	RESIDENCE DATA TO B	E PRINTED ON T	THE PATENT	(print or t	ype)		
					•• •	of assignee data is only appropri NOT a substitute for filing an ass	iate when an assignment
(A) NAME OF ASSIGNE							signment.
(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)							
Please check the appropriate	assignee category or catego	ries (will not be pr	inted on the pa	atent);	□ individual	corporation or other private g	roup entity 🖸 governm
4a. The following fee(s) are	enclosed:	41	o. Payment of	Fee(s):			
☐ Issue Fee ☐ A check in the amount of the fee(s) is enclosed.							
□ Publication Fee □ Payment by credit card. Form PTO-2038 is attached.							
Advance Order - # of Copies							
Director for Patents is reques	sted to apply the Issue Fee a	nd Publication Fee	(if any) or to	re-apply a	ny previously pai	id issue fee to the application ide	entified above.
(Authorized Signature) (Date)							
NOTE; The Issue Fee and Publication Fee (if required) will not be accepted from anyon other than the applicant; a registered attorney or agent; or the assignee or other party interest as shown by the records of the United States Patent and Trademark Office.				anyone arty in			
This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.				ired to ess) an			

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		OR COUNSEL	A MODIL OVERTA	JACKSON J	R, JEROME		
NATIONAL RENEWABLE ENERGY LABORATORY (NREL) 1617 COLE BOULEVARD			ART UNIT	PAPER NUMBER			
GOLDEN, CO	80401-339	3		2815			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after t mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a ha months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date th determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retriev (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

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	Application No.	Applicant(s)				
Notice of Allowability	09/841,691	MASCARENHAS, ANGELO				
Notice of Allowability	Examiner	Art Unit				
	Jerome Jackson Jr.	2815				
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication IGHTS. This application is subject to	olication. If not included will be mailed in due course. THIS				
1. \boxtimes This communication is responsive to <u>amendment 2/23/04</u> .						
2. The allowed claim(s) is/are <u>2-28,30,32-78,80-85,89-119,12</u>	22-132,134,135 and 137-180.					
3. \boxtimes The drawings filed on <u>30 July 2001</u> are accepted by the Ex	aminer.					
4. ☐ Acknowledgment is made of a claim for foreign priority ur a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have	e been received.					
2. Certified copies of the priority documents have						
3. Copies of the certified copies of the priority do	cuments have been received in this	national stage application from the				
International Bureau (PCT Rule 17.2(a)).						
* Certified copies not received:						
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements				
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give						
6. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.					
(a) ☐ including changes required by the Notice of Draftspers	son's Patent Drawing Review (PTO-	948) attached				
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date	,					
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the C	Office action of				
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t						
7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.						
Attachment(s)	5 D Nation of Information	atout Application (DTO 450)				
1. Notice of References Cited (PTO-892)		atent Application (PTO-152)				
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 6. ☐ Interview Summary (PTO-413), Paper No./Mail Date						
3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08), 7. ☐ Examiner's Amendment/Comment Paper No./Mail Date 2/23/04						
4. Examiner's Comment Regarding Requirement for Deposit	-	ent of Reasons for Allowance				
of Biological Material	9.	JEROME JACKSON PRIMARY EXAMINER				